

Notice of Allowability

Application No.

10/670,811

Examiner

Douglas N. Washburn

Applicant(s)

POLZIN, NORBERT

Art Unit

2863

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 1 April 2005.
2. ☒ The allowed claim(s) is/are 2,4-12,15-18 and 20.
3. ☒ The drawings filed on 01 April 2005 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Response to Amendment

1 Applicant amendment overcomes §102(b) rejection of claims 2, 7, 9-12, 17, 18 and 20 and the rejection is withdrawn.

Applicant amendment overcomes objection to claims 4-6, 8, 15 and 16 and the objection is withdrawn.

Allowable Subject Matter

2 The allowed claims are 2, 4-12, 15-18 and 20.

The following is an examiner's statement of reasons for allowance:

Claim 4 recites, in part, "determining a calibration variable of a first type when at least a first predefined number of tire state variables have been considered for the determination of the calibration variable; and determining a calibration variable of a second type when a second predefined number of tire state variables have been considered for the determination of the calibration variable". This feature in combination with the remaining claimed structure avoids the prior art of record.

Claims 2, 5-7 and 9-12 depend from claim 4.

Claim 8 recites, in part, "calculating a difference in wheel rotation speeds between a sum of wheel rotation speeds of the wheels of the left side and a sum of the wheel rotation speeds of the wheels of the right side; wherein the calculated difference in wheel rotation speeds is normalized to the vehicle speed, and wherein the wheel rotation speeds are determined as a function of a wheel dynamics variable". This feature in combination with the remaining claimed structure avoids the prior art of record.

Claim 15 recites, in part, "determining a calibration variable of a first type when at least a first predefined number of tire state variables have been considered for the determination of the calibration variable; and determining a calibration variable of a second type when a second predefined number of tire state variables have been considered for the determination of the calibration variable". This feature in combination with the remaining claimed structure avoids the prior art of record.

Claims 16 and 17 depend from claim 15.

Claim 18 recites, in part, "monitoring at least one tire state variable that represents a current operating state of the tire; and monitoring at least one calibration variable that represents a target state of the tire, wherein: a first monitoring mode and a second monitoring mode each contain at least one calibration mode". This feature in combination with the remaining claimed structure avoids the prior art of record.

Claim 20 recites, in part, "monitoring at least one tire state variable that represents a current operating state of the tire; and monitoring at least one calibration variable that represents a target state of the tire, wherein: a first monitoring mode and a second monitoring mode each contain at least one calibration mode". This feature in combination with the remaining claimed structure avoids the prior art of record.

It is these limitations, which are not found, taught or suggested in the prior art of record, and are recited in the claimed combination that makes these claims allowable over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas N. Washburn whose telephone number is (571) 272-2284. The examiner can normally be reached on Monday through Thursday 6:30 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Barlow can be reached on (571) 272-2269. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DNW

BRYAN BUI
PRIMARY EXAMINER

